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... processing can be used by clever attackers to remove **dummy** code or ... us consider for instance the case of the **DES** algorithm (Data **Encryption** Standard). ...[Cited by 110](#) - [Related articles](#) - [BL Direct](#) - [All 17 versions](#)[Securing the AES finalists against power analysis attacks](#)

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... [26] look at attacks against the **encrypt** and **decrypt** ... at ways to securely implement the AES fundamental operations ... steps such as executing random **dummy** code or ...[Cited by 131](#) - [Related articles](#) - [BL Direct](#) - [All 5 versions](#)[\[PDF\] *... logic with signal independent power consumption to withstand differential power analysis ...](#)

K Tiri, M Akmal, I Verbaauwhede - 28th European solid-state circuits conference (... , 2002 - Citeseer

... dom process interrupts interleave **dummy** instructions to ... <http://csrc.nist.gov/encryption/aes/round1/conf2> ... and N. Dabbous, "Differential Power Analysis in the ...[Cited by 165](#) - [Related articles](#) - [All 9 versions](#)[A generic protection against high-order differential power analysis-](#) *iact.org (PDF)

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... XOR: do it byte per byte, add **dummy** values ... A Generic Protection against High-Order **Differential Power Analysis** ... and will really slow down the **DES** execution and ...[Cited by 40](#) - [Related articles](#) - [BL Direct](#) - [All 5 versions](#)[An implementation of DES and AES, secure against some attacks-](#) *psu.edu (PDF)

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... insertion of **dummy** instructions; – randomization ... following timings come from the **encryption** of a ... **Des** and **differential power analysis**, the duplication method. ...[Cited by 192](#) - [Related articles](#) - [BL Direct](#) - [All 7 versions](#)[Masking the energy behavior of DES encryption-](#) *psu.edu (PDF)

H Saputra, N Vijaykrishnan, M Kandemir, MJ ... - Proceedings of the conference on Design, Automation ... , 2003 - portal.acm.org

... key-related data- dependent computations in **DES encryption**. ... technique involves adding **dummy** modules and ... **Differential power analysis** (DPA) is currently the most ...[Cited by 43](#) - [Related articles](#) - [All 19 versions](#)[Multiplicative masking and power analysis of AES-](#) *pregonstate.edu (PDF)

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... and randomize elementary computations involving the secret key, eg, by randomly introducing **dummy** operations and ... 201 2 **Differential Power Analysis** of AES ...[Cited by 96](#) - [Related articles](#) - [BL Direct](#) - [All 16 versions](#)[Power analysis, what is now possible](#)

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... 3.2 **PODPA** (Perhaps Optimal **Differential Power Analysis**) ... (ie AES candidates, RSA ... of the key with- out modifying the algorithm used or using multiple **encryption**. ...[Cited by 84](#) - [Related articles](#) - [BL Direct](#) - [All 4 versions](#)

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K Schramm, G Leander, P Felke, C Paar - Cryptographic Hardware and Embedded Systems--CHES ... 2004 - books.google.com

... such as random wait states or **dummy** cycles will ... of averagings per **encryption**) are

required to detect ... **DES** and **differential power analysis**: the dupli -cation ...

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... box of the first round of the Advanced **Encryption** Standard (AES) [6] will ... ran- dom

timing shifts and wait states, inserting **dummy** instructions, random ...

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